

Other Aluminum Rolling and Drawing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
331319, Other aluminum rolling and drawing	2002.. 89	95	3 987	138 218	3 053	6 112	91 445	406 967	828 509	1 246 982	30 897
	2001.. N	N	3 811	131 013	2 929	5 763	87 665	347 058	863 793	1 252 541	17 072
	2000.. N	N	4 153	142 195	3 272	6 430	99 834	507 330	1 109 471	1 610 980	36 515
	1999.. N	N	4 007	141 038	3 191	6 648	100 009	456 570	1 023 663	1 482 989	31 264
	1998.. N	N	4 115	142 485	3 265	6 960	102 636	542 575	1 038 980	1 586 426	18 698
	1997.. 30	35	4 009	140 134	3 156	6 540	99 588	481 782	1 153 523	1 625 168	29 512

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
331319, Other aluminum rolling and drawing												
United States.....	3	95	34	3 987	138 218	3 053	6 112	91 445	406 967	828 509	1 246 982	30 897
California	—	14	3	889	23 134	680	1 296	14 909	59 146	114 759	173 479	6 762
Illinois	—	8	5	378	13 752	293	605	9 354	36 247	81 005	117 487	1 413

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
331319, Other aluminum rolling and drawing	
Companies ¹	number.. 89
All establishments ²	number.. 95
Establishments with 1 to 19 employees	number.. 61
Establishments with 20 to 99 employees	number.. 21
Establishments with 100 employees or more	number.. 13
All employees ³	number.. 3 987
Total compensation	\$1,000.. 178 371
Annual payroll	\$1,000.. 138 218
Total fringe benefits	\$1,000.. 40 153
Production workers, average for year	number.. 3 053
Production workers on March 12	number.. 3 138
Production workers on May 12	number.. 3 067
Production workers on August 12	number.. 2 980
Production workers on November 12	number.. 3 022
Production worker hours	1,000.. 6 112
Production worker wages	\$1,000.. 91 445
Total cost of materials	\$1,000.. 828 509
Materials, parts, containers, packaging, etc., used	\$1,000.. 770 469
Resales	\$1,000.. 31 731
Purchased fuels	\$1,000.. 8 097
Purchased electricity	\$1,000.. 14 157
Contract work	\$1,000.. 4 055
Quantity of electricity purchased for heat and power	1,000 kWh.. 236 133
Quantity of electricity generated less sold for heat and power	1,000 kWh.. 10 455
Total value of shipments	\$1,000.. 1 246 982
Primary products value of shipments	\$1,000.. 1 039 680
Secondary products value of shipments	\$1,000.. 145 495
Total miscellaneous receipts	\$1,000.. 61 807
Value of resales	\$1,000.. 36 085
Contract receipts	\$1,000.. 10 445
Other miscellaneous receipts	\$1,000.. 15 277
Primary products specialization ratio	percent.. 88
Value of primary products shipments made in all industries	\$1,000.. 1 513 456
Value of primary products shipments made in this industry	\$1,000.. 1 039 680
Value of primary products shipments made in other industries	\$1,000.. 473 776
Coverage ratio	percent.. 69
Value added	\$1,000.. 406 967
Total inventories, beginning of year	\$1,000.. 127 162
Finished goods inventories	\$1,000.. 44 209
Work-in-process inventories	\$1,000.. 32 173
Materials and supplies inventories	\$1,000.. 50 780
Total inventories, end of year	\$1,000.. 110 302
Finished goods inventories	\$1,000.. 32 706
Work-in-process inventories	\$1,000.. 32 170
Materials and supplies inventories	\$1,000.. 45 426
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 464 513
Total capital expenditures (new and used)	\$1,000.. 30 897
Buildings and other structures (new and used)	\$1,000.. 5 619
Machinery and equipment (new and used)	\$1,000.. 25 278
Automobiles, trucks, etc., for highway use	\$1,000.. 1 152
Computers and peripheral data processing equipment	\$1,000.. 2 349
All other expenditures for machinery and equipment	\$1,000.. 21 777
Total retirements	\$1,000.. 13 699
Gross value of depreciable assets at end of year	\$1,000.. 481 711
Depreciation charges during year	\$1,000.. 27 045
Total rental payments	\$1,000.. 12 661
Buildings and other structures	\$1,000.. 6 243
Machinery and equipment	\$1,000.. 6 418
Total other expenses ⁴	\$1,000.. 30 070
Response coverage ratio ⁵	percent.. 63
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 3 891
Communications services ⁴	\$1,000.. 1 040
Legal services ⁴	\$1,000.. 192
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 233
Advertising and promotional services ⁴	\$1,000.. 57
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 406
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 609
Management consulting and administrative services ⁴	\$1,000.. 955
Taxes and license fees ⁴	\$1,000.. 1 248
All other expenses ⁴	\$1,000.. 21 440

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
331319, Other aluminum rolling and drawing											
All establishments	3	95	3 987	138 218	3 053	6 112	91 445	406 967	828 509	1 246 982	30 897
Establishments with—											
1 to 4 employees	9	36	b	D	D	D	D	D	D	D	D
5 to 9 employees	9	13	91	3 263	71	147	2 353	10 019	22 166	32 224	1 315
10 to 19 employees	5	12	147	5 110	103	197	3 407	12 895	30 507	43 973	1 514
20 to 49 employees	1	13	448	17 091	313	663	9 746	56 319	98 373	154 765	3 187
50 to 99 employees	—	8	549	18 845	427	883	13 651	60 973	140 790	206 326	2 700
100 to 249 employees	2	11	1 679	63 308	1 291	2 632	42 203	156 208	310 680	471 491	14 424
250 to 499 employees	9	1	e	D	D	D	D	D	D	D	D
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	45	156	5 719	130	255	4 111	19 651	43 140	62 791	2 598

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
331319	Other aluminum rolling and drawing . . .	95	3 987	138 218	3 053	6 112	91 445	406 967	828 509	1 246 982	30 897
3313192	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	9	588	20 753	408	847	12 846	61 918	162 798	225 240	4 125
3313193	Rolled aluminum rod and bar (including continuous cast), made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	5	553	20 732	438	856	14 286	88 051	184 216	273 659	3 950
331319D	Aluminum ingot, including billet, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum .	10	928	36 293	741	1 513	24 213	95 664	195 455	295 686	4 828
331319E	Aluminum insulated wire and cable .	8	1 415	44 366	1 085	2 120	29 005	124 451	210 536	339 150	13 899

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
331319	Other aluminum rolling and drawing	2002.. N 1997.. N	X X	X X	1 513 456 2 040 545
3313192	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2002.. N 1997.. N	X X	X X	379 475 N
33131921	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2002.. N 1997.. N	X X	X X	379 475 N
3313192100	Aluminum and aluminum-base alloy wire and cable (except covered or insulated), including ACSR, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2002.. N 1997.. N	X X	X X	379 475 N
3313193	Rolled aluminum rod and bar (including continuous cast), made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2002.. N 1997.. N	X X	X X	172 004 D
33131931	Rolled aluminum rod and bar (including continuous cast), made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2002.. N 1997.. N	X X	X X	172 004 D
3313193100	Rolled aluminum rod and bar (including continuous cast), made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2002.. N 1997.. N	X X	X X	172 004 D
331319D	Aluminum ingot, including billet, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2002.. N 1997.. N	X X	X X	320 141 N
331319D1	Aluminum ingot, including billet, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum	2002.. N 1997.. N	X X	X X	320 141 N
331319D100	Aluminum ingot, including billet, made in aluminum rolling mills and plants that draw wire from purchased or recovered aluminum ¹	2002.. 18 1997.. N	X X	S N	320 141 N
331319E	Aluminum insulated wire and cable	2002.. N 1997.. N	X X	X X	531 005 N
331319E1	Aluminum insulated wire and cable, including apparatus and magnet wire, made in aluminum rolling and drawing plants	2002.. N 1997.. N	X X	X X	531 005 N
331319E101	Aluminum apparatus wire and cord and flexible cord sets (except wiring harnesses and fiber optic), made in plants that draw wire ²	2002.. 5 1997.. N	X X	X X	174 156 N
331319E102	Aluminum magnet wire (except fiber optic), made in plants that draw wire	2002.. 9 1997.. N	X X	X X	173 471 N
331319E103	Aluminum insulated wire and cable for electrical transmission, made in aluminum rolling and drawing plants	2002.. 4 1997.. N	X X	X X	183 378 N
331319EY	Insulated wire and cable, nsk	2002.. N 1997.. N	X X	X X	— N
331319EYWV	Insulated wire and cable, nsk.	2002.. N 1997.. N	X X	X X	— N
331319W	Other aluminum rolling and drawing, nsk, total	2002.. N 1997.. N	X X	X X	110 831 D
331319WY	Other aluminum rolling and drawing, nsk, total	2002.. N 1997.. N	X X	X X	110 831 D
331319WYWW	Other aluminum rolling and drawing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	53 956 D
331319WYWY	Other aluminum rolling and drawing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	56 875 —

¹This product code is primary to more than one industry. See industries 331312 and 331314, product codes 3313122100 and 3313142100.

²This product code is primary to more than one industry. See industries 331422, 331491 and 335999, product codes 3314224218, 331491F100 and 335999B100.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
331319	Other aluminum rolling and drawing		
00900001	Total materials	X	770 469
	.....2002..	X	1 078 589
	.....1997..	D	D
33131205	Unalloyed aluminum and aluminum-base alloy ingot, pig, and shot	139.3	217 042
	.....1,000 s tons..2002..	123.2	108 957
	.....1997..	32.7	68 978
33131207	Alloyed aluminum and aluminum-base alloy ingot, pig, and shot		
	.....1,000 s tons..2002..	S	102 985
	.....1997..	P193.3	166 644
33131600	Aluminum and aluminum-base alloy extruded shapes (including extruded rod, bar, pipe, tube, etc.)	X	31 051
	.....mil lb..2002..	X	N
	.....1997..		
33100012	All other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	X	20 556
	.....2002..	X	N
	.....1997..		
33100078	All other nonferrous metal shapes and forms (excluding aluminum and aluminum-base castings, forgings, and fabricated metal products)	X	
	.....2002..	X	
	.....1997..		
00190020	Aluminum and aluminum-base alloy scrap (excluding home scrap)	D	D
	.....1,000 s tons..2002..	N	N
	.....1997..		
00970099	All other materials and components, parts, containers, and supplies	X	330 449
	.....2002..	X	622 573
	.....1997..	X	63 793
00971000	Materials, ingredients, containers, and supplies, nsk	X	3 352
	.....2002..	X	
	.....1997..		

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.